

NRC FORM 114
(5-00)
NRCM 4108

U.S. NUCLEAR REGULATORY COMMISSION

CAREER OPPORTUNITY ANNOUNCEMENT

DO NOT REMOVE POSTING

AN EQUAL OPPORTUNITY EMPLOYER. CANDIDATES WILL BE CONSIDERED WITHOUT DISCRIMINATION FOR ANY NONMENT REASON SUCH AS RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, POLITICAL AFFILIATION, MARITAL STATUS, PHYSICAL OR MENTAL HANDICAPS, AGE, OR MEMBERSHIP IN AN EMPLOYER ORGANIZATION.

POSITION TITLE Geophysicist		ANNOUNCEMENT NUMBER 0153020	DATES: 08/20/01	OPENING O-U-F	CLOSING (Close of business) 11/16/01	EXPIRATION (For "Open Until Filled" vacancies return posting on this date)
SERIES 1313	GRADE GG-13	KNOWN PROMOTION POTENTIAL TO 13	AREA OF CONSIDERATION <input checked="" type="checkbox"/> NATIONWIDE <input type="checkbox"/> WASHINGTON, DC COMMUTING AREA <input type="checkbox"/> REGION COMMUTING AREA <input type="checkbox"/> OTHER		TYPE OF POSITION <input checked="" type="checkbox"/> BARGAINING UNIT <input checked="" type="checkbox"/> FULL-TIME <input checked="" type="checkbox"/> PERMANENT APPOINTMENT <input type="checkbox"/> INCUMBENT IS SUBJECT TO RANDOM DRUG TESTING	
ORGANIZATION LOCATION Office of Nuclear Regulatory Research Division of Engineering Technology Engineering Research Applications Branch			NONBARGAINING UNIT <input type="checkbox"/> PART-TIME <input type="checkbox"/> TEMPORARY APPOINTMENT <input type="checkbox"/> NOT TO EXCEED			
DUTY LOCATION Rockville, MD		TRAVEL REQUIREMENTS 10 percent	NAME OF IMMEDIATE SUPERVISOR Daniel Dorman			

APPLICATION INSTRUCTIONS: COMPLETE AND SUBMIT THE FOLLOWING TO THE ADDRESS SPECIFIED AT THE BOTTOM OF THIS PAGE. (Use the Vacancy Announcement Number in all correspondence.)

1. AN UPDATED SF171 PERSONAL QUALIFICATIONS STATEMENT OR APPLICATION FOR GOVERNMENT EMPLOYMENT OR RESUME
2. AN NRC FORM 115, VACANCY APPLICATION STATUS NOTICE (NRC applicants only);
3. A COPY OF YOUR CURRENT PERFORMANCE APPRAISAL OR A SIGNED STATEMENT THAT IT IS NOT AVAILABLE.
4. NRC APPLICANTS(ONLY); FOUR COPIES OF APPLICATION MATERIALS REQUESTED.
5. THE NRC IS A ZERO-TOLERANCE AGENCY WITH RESPECT TO ILLEGAL DRUG USE.
6. OTHER (Specify):

NOTICE: APPLICATIONS MAY BE REFERRED TO THE RATING ENTITY A MINIMUM OF SIXTEEN (16) CALENDAR DAYS AFTER OPENING DATE

NONBARGAINING UNIT POSITIONS ONLY. CANDIDATES WHOSE PRESENT PROMOTION POTENTIAL DOES NOT EXCEED THE POTENTIAL OF THIS VACANCY MAY NOT BE SUBJECT TO RATING PROCEDURES AND MAY BE REFERRED DIRECTLY TO THE SELECTING OFFICIAL.

DUTIES OF POSITION (If this position is announced at multiple grade levels, these duties describe the full performance level; at lower grade levels the duties may vary slightly and will be performed under somewhat closer supervision.)

Incumbent evaluates the geological aspects of past and potential earthquake occurrences and their implications with respect to the safety requirements of nuclear facility design. Serves as an agency representative on paleoseismicity and on the geological issues concerning the specification of design earthquakes for reactor sites. Responsible for coordination of activities related to engineering geology, stratigraphy, structural geology, tectonics, geochemistry and

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QUALIFICATIONS REQUIRED (If the position is announced at multiple grade levels, these qualifications describe the full performance level, unless otherwise specified. The position description, immediate supervisor, and/or NRC Manual chapter and Appendix 4108 can be consulted for more detailed qualification requirements and/or interpretation of qualifying experience.)

Candidates may meet the basic qualifications required by:

- (1) Having at least one year of this experience at the next lower grade level or equivalent in the occupational series listed above or in another series performing like or similar duties; OR
- (2) Possessing a knowledge of the scientific principles, theories, and

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RATING FACTORS (Applicants are strongly encouraged to submit a statement addressing the Rating listed below.)

ALL CANDIDATES MUST ADDRESS THE RATING FACTORS LISTED BELOW.

1. Demonstrated knowledge of geoscience (geology, geotechnical engineering, seismology, stratigraphy, structural geology, tectonics, geochemistry, and hydrogeology) or geophysic (strong ground motion, seismic hazard, seismicity, soil structure interaction analysis, slope stability, and dynamics analysis) issues particularly as applied to

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FOR ADDITIONAL INFORMATION CONTACT

Kathy Schmidt

Email: KAS

Mail Stop: T2D32

TELEPHONE

AREA CODE

NUMBER

301

415-6975

SEND APPLICATION MATERIALS TO:

<input checked="" type="checkbox"/> Human Resources Services & Operations Office of Human Resources U.S. Nuclear Regulatory Commission Washington, D.C. 20555	<input type="checkbox"/> Region I Personnel Officer U.S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, PA 19406	<input type="checkbox"/> Region II Personnel Officer U.S. Nuclear Regulatory Commission 61 Forsyth Street, SW (23T85) Atlanta, GA 30303	<input type="checkbox"/> Region III Personnel Officer U.S. Nuclear Regulatory Commission 801 Warrenville Road Lisle, IL 60532	<input type="checkbox"/> Region IV Personnel Officer U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011
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(Continuation)

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DUTIES OF POSITION - CONTINUED

hydrogeology. Responsible for contract management; planning, developing, coordinating and administrating research programs; developing regulations, regulatory guides, and supporting documents; and contributing to the development and evaluation of national standards for use as a basis for licensing decisions. Responsible for characterizing the values and the impact of the requirements of proposed standards in the following areas: tsunamis, volcanic eruptions, slope instability, surface rupture or collapse, faulting, or high vibratory ground motion, etc.

QUALIFICATIONS REQUIRED - CONTINUED

practices in the general field of geoscience as demonstrated by a degree in geology or a related major field of study, with specific knowledge of geology adequate to propose, develop and evaluate regulations, regulatory guides, and other standards.

All candidates must have specialized experience which demonstrates knowledge of engineering geology, stratigraphy, structural geology, tectonics, geochemistry and hydrogeology.

RATING FACTORS - CONTINUED

nuclear reactor siting concepts and nuclear waste management.

(EXAMPLE: Describe your specific experience, education, and training which demonstrate your knowledge of the geosciences/geophysics. Describe your knowledge involving theory and practice in one or more of the following areas: geology, stratigraphy, structural geology, tectonics, geochemistry, geotechnical engineering, seismology, hydrogeology, earthquake engineering, structural dynamics, strong ground motion, seismic hazard, seismicity, soil structure interaction analysis, slope stability, dynamics analysis and nuclear reactor concepts.)

2. Demonstrated knowledge of regulatory guides and industry codes and standards applicable to the geosciences/geophysics.

(EXAMPLE: Describe education, training and work experience which required you to apply these regulatory instruments and standards listed above. Training and experience may be gained through industry, NRC, or other organization.)

3. Demonstrated ability to independently plan, direct and manage technical research projects.

CONTINUED ON NEXT PAGE

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RATING FACTORS - CONTINUED

(EXAMPLE: Provide examples of relevant research project/tasks you have developed and managed with a focus on the identification of the problem areas and the process used to achieve their resolution. Describe specific training, education, and experience that demonstrates your ability to manage complex technical research projects. Describe your specific role in the technical oversight and technical direction of the projects.)

4. Demonstrated ability to work effectively with internal and external organizations on a variety of subjects and requests related to the geosciences/geophysics.

(EXAMPLE: Describe specific experience, training, and accomplishments which demonstrate your ability to work effectively with individuals of diverse backgrounds in your own and other organizations. Describe your role and responsibilities in interfacing with organizations and how you helped resolve any problems and/or recommended solutions to these problems.)

5. Demonstrated ability to communicate complex technical issues both orally and in writing.

(EXAMPLE: Describe the kinds of oral presentations you have made, to what audience(s), and for what purpose. Describe the type of technical writing you routinely generate. Describe specific situations that required you to present technical information orally. Provide examples of presentations, discussions, written reports or documents you produce on technical subjects. Provide evidence which indicates your skill in oral and written communications. Describe how and to whom you communicated this information.)

PLEASE SUBMIT A RESUME, SF-171, OF-612; MOST RECENT PERFORMANCE APPRAISAL AND STATEMENT ADDRESSING RATING FACTORS TO:

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF HUMAN RESOURCES
ATTN: KATHY SCHMIDT, MAIL STOP: T-2D32
WASHINGTON, DC 20555

SALARY RANGE: \$63,211 - \$82,180

Current/reinstatement Federal employees with status (Tenure group 1 or 2) will be considered through the merit promotion procedures under this announcement and must submit a copy of SF-50 (Notification of Personnel Action) to verify competitive status or reinstatement eligibility. NRC

CONTINUED ON NEXT PAGE

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RATING FACTORS - CONTINUED

EMPLOYEES DO NOT HAVE TO SUBMIT AN SF-50. Status applicants who wish to be considered under both merit promotion and competitive procedures must submit two (2) complete application packages. When only one (1) application package is received, it will be considered under the merit promotion announcement only.

Veteran Preference: If claiming 5-point veterans preference, you must attach a copy of your DD-214, certificate of release or discharge from active duty, or other proof of eligibility. If claiming 10-point veterans preference, you must attach an SF-15, Application for 10-point Veterans Preference, plus the proof required by that form.

Reasonable accommodations will be made for qualified applicants or employees with disabilities, except when doing so would pose an undue hardship on the Agency.

EXECUTIVE AGENCIES ARE PROHIBITED FROM ACCEPTING OR CONSIDERING APPLICANTS FOR COMPETITIVE APPOINTMENTS OR POSITIONS BASED ON POLITICAL RECOMMENDATIONS FROM MEMBERS OF CONGRESS, CONGRESSIONAL EMPLOYEES, ELECTED STATE OR LOCAL GOVERNMENT OFFICIALS, AND POLITICAL PARTY OFFICIALS. SUCH OFFICIALS MAY ONLY SUPPLY STATEMENTS REGARDING THE CHARACTER AND RESIDENCE OF THE APPLICANT.